



VARISCITE LTD.

SPEAR-MX8

EMC Radiation test

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Document Revision History

Revision	Date	Notes
1.0	17/07/2022	Initial

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1 Introduction

This Document presents the SPEAR-MX8 EMC radiation test, held at the “THE STANDARDS INSTITUTION OF ISRAEL” EMC test labs (http://www.sii.org.il/896-en/SII_EN.aspx).

2 Test Set up

Test setup included a stock SPEAR-MX8 module assembled on a VAR-SP8CustomBoard carrier board powered by 12V linear power supply. All SOM features were enabled, Ethernet ports of the carrier board were connected to an Ethernet switch. A script running continuous scan for WLAN access points and eMMC writes was executed.

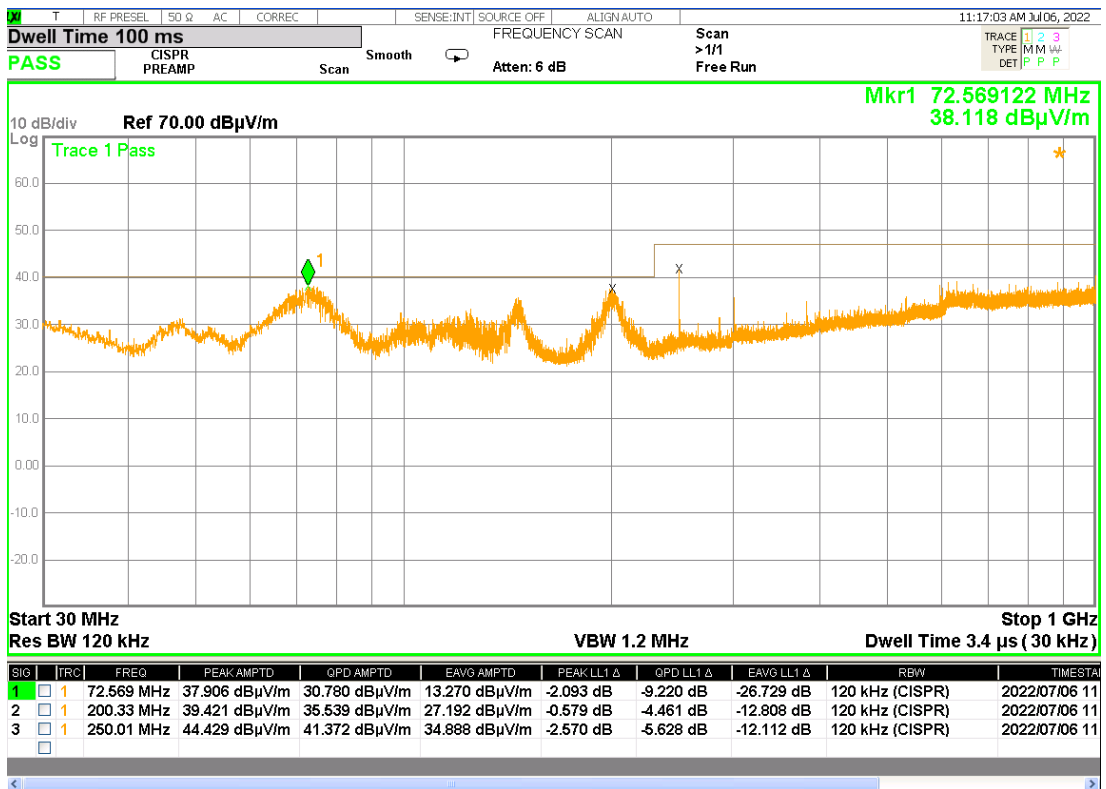
3 Results

3.1 Radiation Spectrum

SOM: SPEAR-MX8 Rev 1.4

Carrier board: VAR-SP8CustomBoard 1.3

The yellow graph represents Vertical & Horizontal polarity radiation frequency measurements. The yellow horizontal line is the EN55022 Class B standard limits



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